FIG. 1 (PRIOR ART)

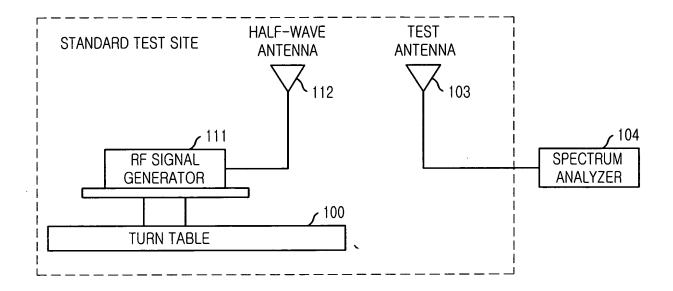


FIG. 2 (PRIOR ART)

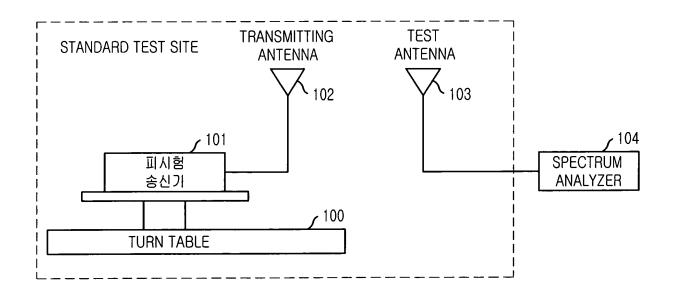


FIG. 3 (PRIOR ART)

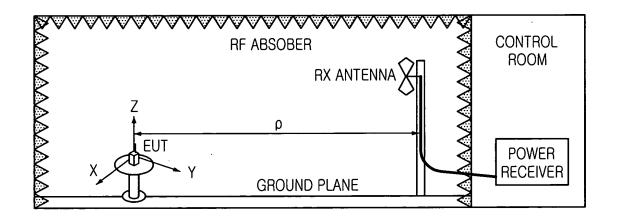


FIG. 4 (PRIOR ART)

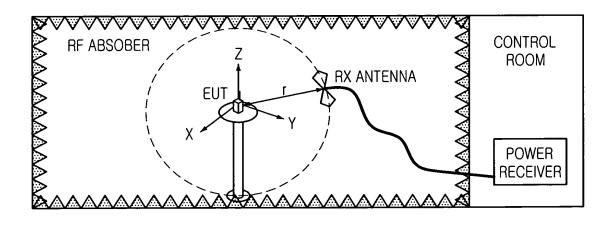


FIG. 5

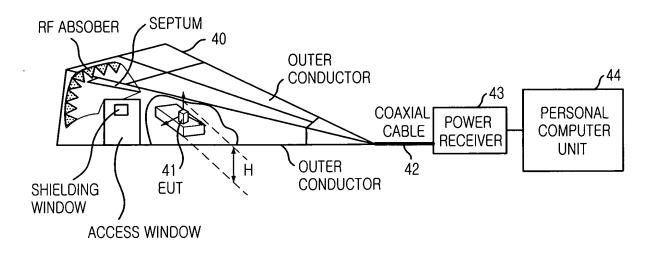
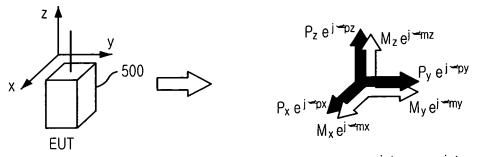


FIG. 6



ELECTRIC DIPOLE MOMENT $P=P_x e^{j-px} + P_y e^{j-py} + P_z e^{j-pz}$ MAGNETIC DIPOLE MOMENT $M=M_x e^{j-mx} + M_y e^{j-my} + M_z e^{j-mz}$

FIG. 7

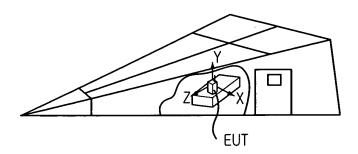


FIG. 8

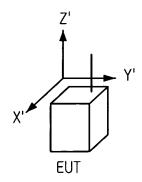


FIG. 9

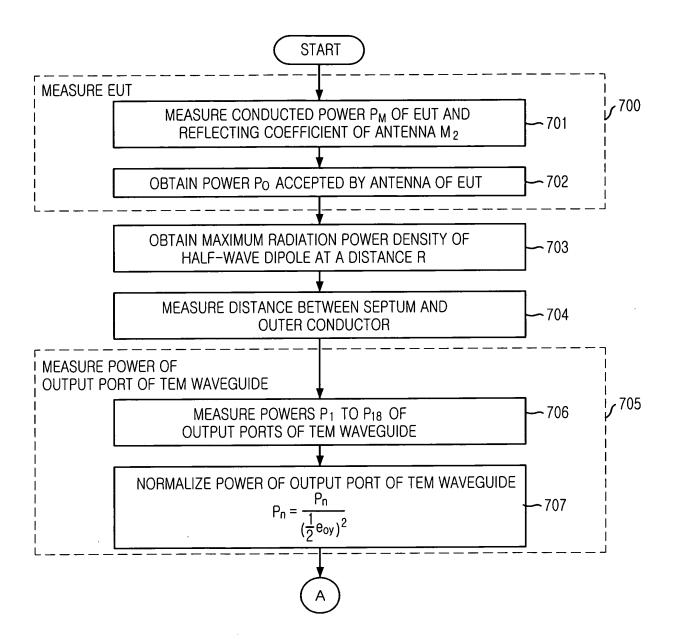


FIG. 10

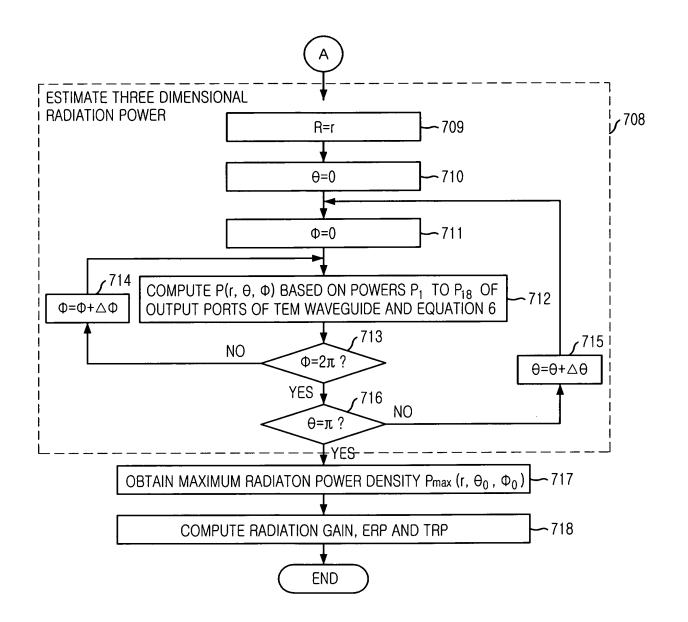
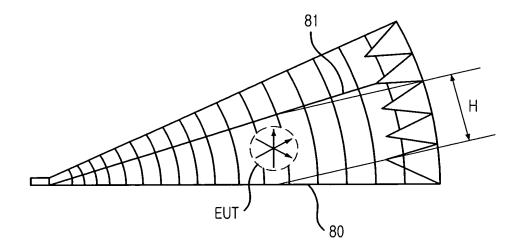


FIG. 11



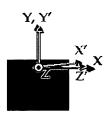
915 SYSTEM AS XZ', YX', ZY' BY ROTATING EUT 45° <u>_</u>6 COUNTERCLOCKWISE P18 OF OUTPUT PORT OF TEM WAVEGUIDE MEASURE POWERS SET COODRINATE ON X-AXIS 909 SYSTEM AS XY', YZ', ZX' 910 BY ROTATING EUT 45° COUNTERCLOCKWISE P17 OF OUTPUT PORT OF TEM WAVEGUIDE MEASURE POWERS SET COODRINATE ON X-AXIS SYSTEM AS XX', YY', ZZ' 98 907 BY ROTATING EUT 45° COUNTERCLOCKWISE Pie of Output Port OF TEM WAVEGUIDE MEASURE POWERS SET COODRINATE ON X-AXIS 8 LOCATE EUT WITHIN TEM WAVEGUIDE EASURE POWERS P11 TO P15 905 906 START SYSTEM AS XZ', YX', ZY' EUT 0°, 45°, 90°, 180°, 270° 8 OF OUTPUT PORT OF TEM **WAVEGUIDE BY ROTATING** SET COODRINATE COUNTERCLOCKWISE ON Y-AXIS 904 903 MEASURE POWERS P6 TO P10 SYSTEM AS XY', YZ', ZX' **WAVEGUIDE BY ROTATING** EUT 0°, 45°, 90°, 180°, 270° OF OUTPUT PORT OF TEM COUNTERCLOCKWISE SET COODRINATE ON Y-AXIS 905 901 MEASURE POWERS P1 TO P5 SYSTEM AS XX', YY', ZZ' **WAVEGUIDE BY ROTATING** EUT 0°, 45°, 90°, 180°, 270° OF OUTPUT PORT OF TEM COUNTERCLOCKWISE SET COODRINATE ON Y-AXIS

FIG. 12

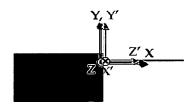
FIG. 13



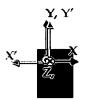
ARRANGEMENT 1 (COUNTERCLOCKWISE 0°)



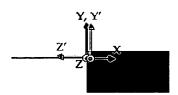
ARRANGEMENT 2 (COUNTERCLOCKWISE 45°)



ARRANGEMENT 3 (COUNTERCLOCKWISE 90°)

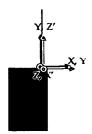


ARRANGEMENT 4 (COUNTERCLOCKWISE 180°)

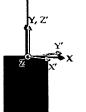


ARRANGEMENT 5 (COUNTERCLOCKWISE 270°)
(XX', YY', ZZ') ROTATE ON Y-AXIS

FIG. 14



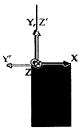
ARRANGEMENT 6 (COUNTERCLOCKWISE 0°)



ARRANGEMENT 7 (COUNTERCLOCKWISE 45°)



ARRANGEMENT 8 (COUNTERCLOCKWISE 90°)

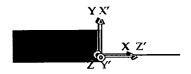


ARRANGEMENT 9 (COUNTERCLOCKWISE 180°)

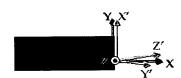


ARRANGEMENT 10 (COUNTERCLOCKWISE 270°)
(XY', YZ', ZX') ROTATE ON Y-AXIS

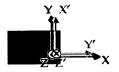
FIG. 15



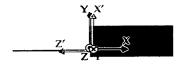
ARRANGEMENT 11 (COUNTERCLOCKWISE 0°)



ARRANGEMENT 12 (COUNTERCLOCKWISE 45°)



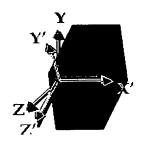
ARRANGEMENT 13 (COUNTERCLOCKWISE 90°)



ARRANGEMENT 14 (COUNTERCLOCKWISE 180°)

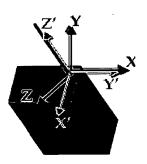


ARRANGEMENT 15 (COUNTERCLOCKWISE 270°)
(XZ', YX', ZY') ROTATE ON Y-AXIS



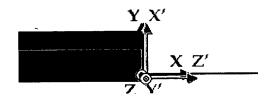
ARRANGEMENT 16 (COUNTERCLOCKWISE 45°)
(XX', YY', ZZ') ROTATE ON X-AXIS

FIG. 17



ARRANGEMENT 17 (COUNTERCLOCKWISE 45°)
(XY', YZ', ZX') ROTATE ON X-AXIS

FIG. 18



ARRANGEMENT 18 (COUNTERCLOCKWISE 45°)
(XZ', YX', ZY') ROTATE ON X-AXIS